

No. 721,176.

PATENTED FEB. 24, 1903.

E. FUNKE.
SANITARY CORNER PLATE.
APPLICATION FILED OCT. 3, 1902.

NO MODEL.

FIG. 1

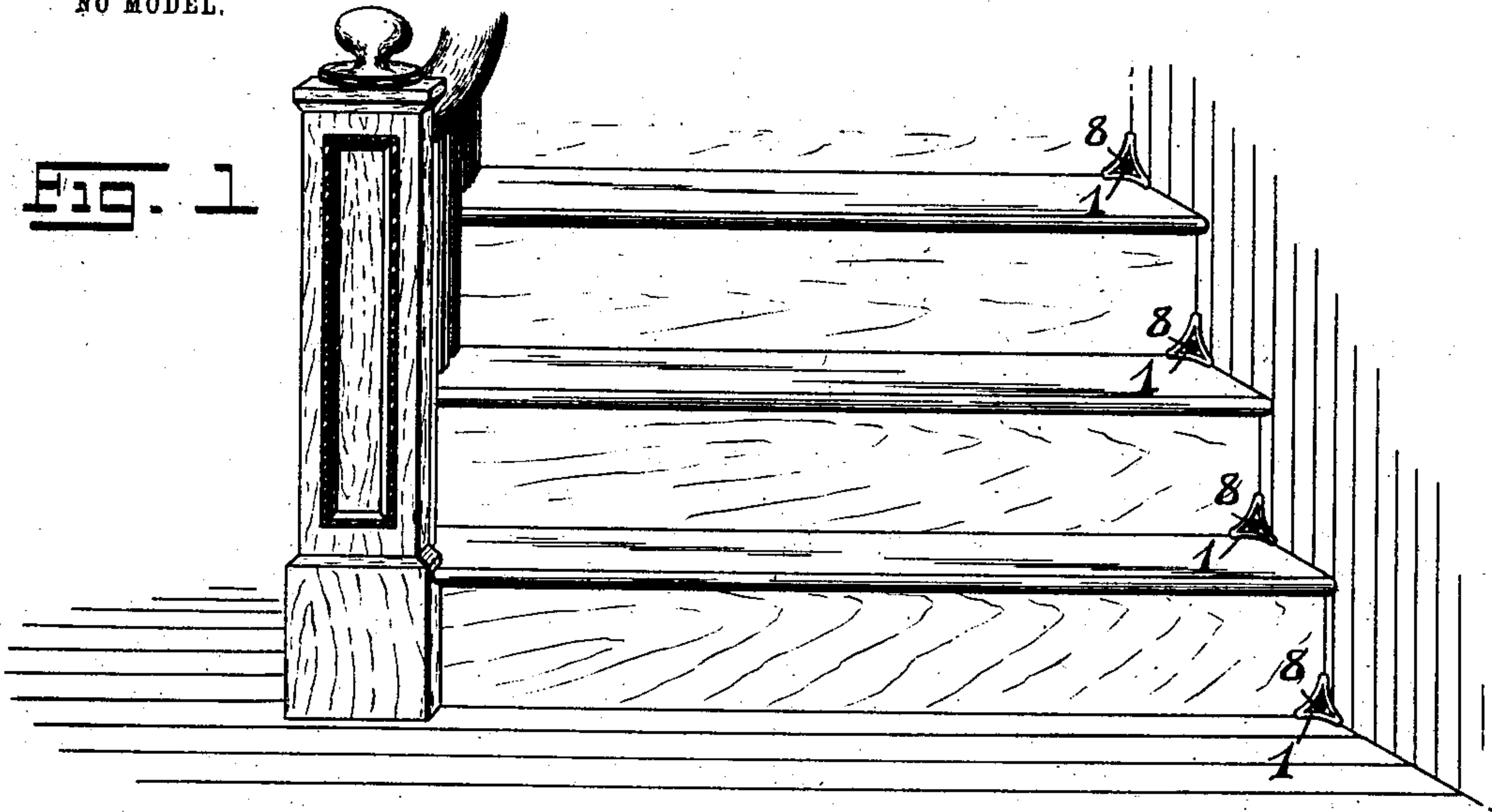


FIG. 2

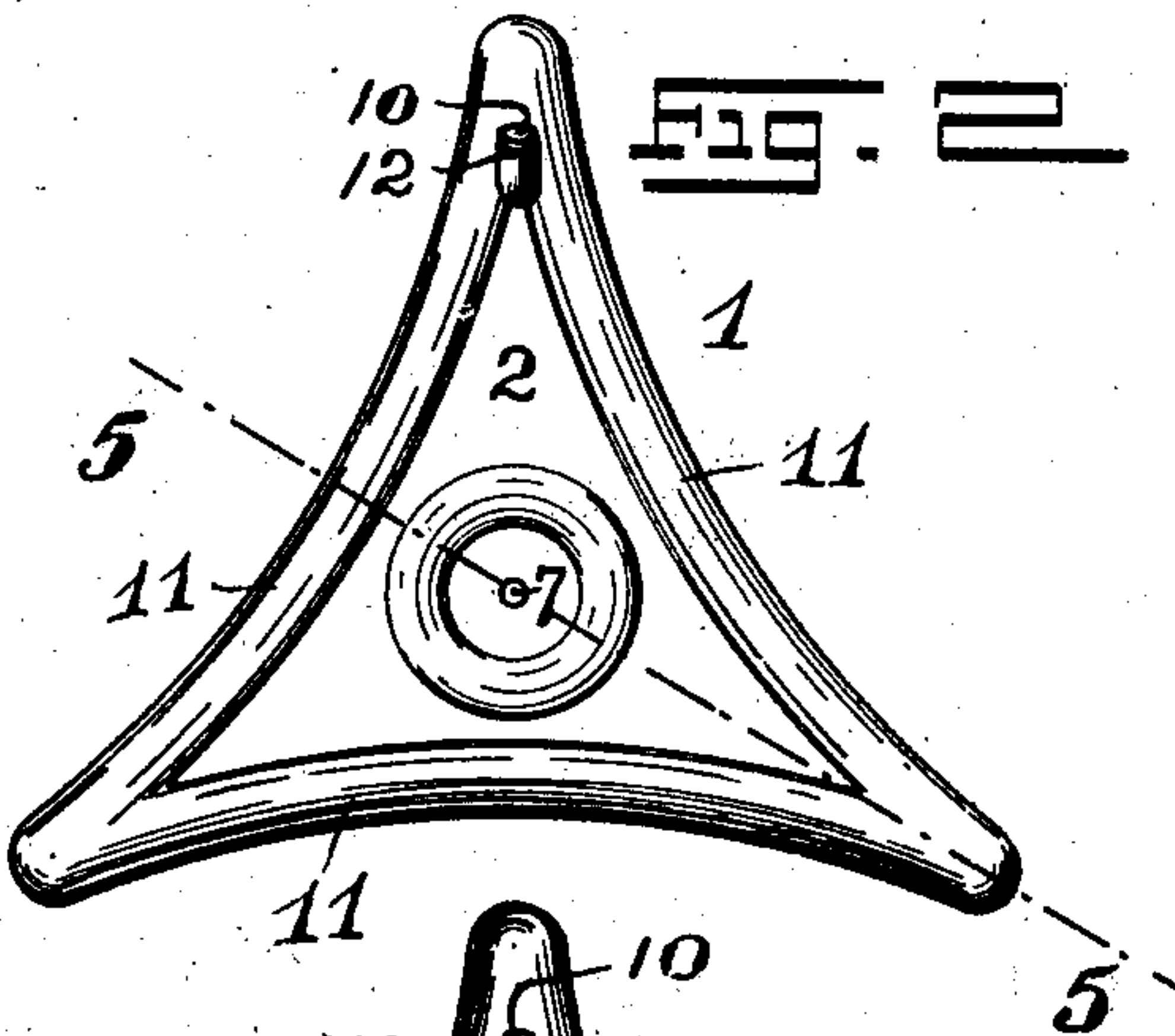


FIG. 3

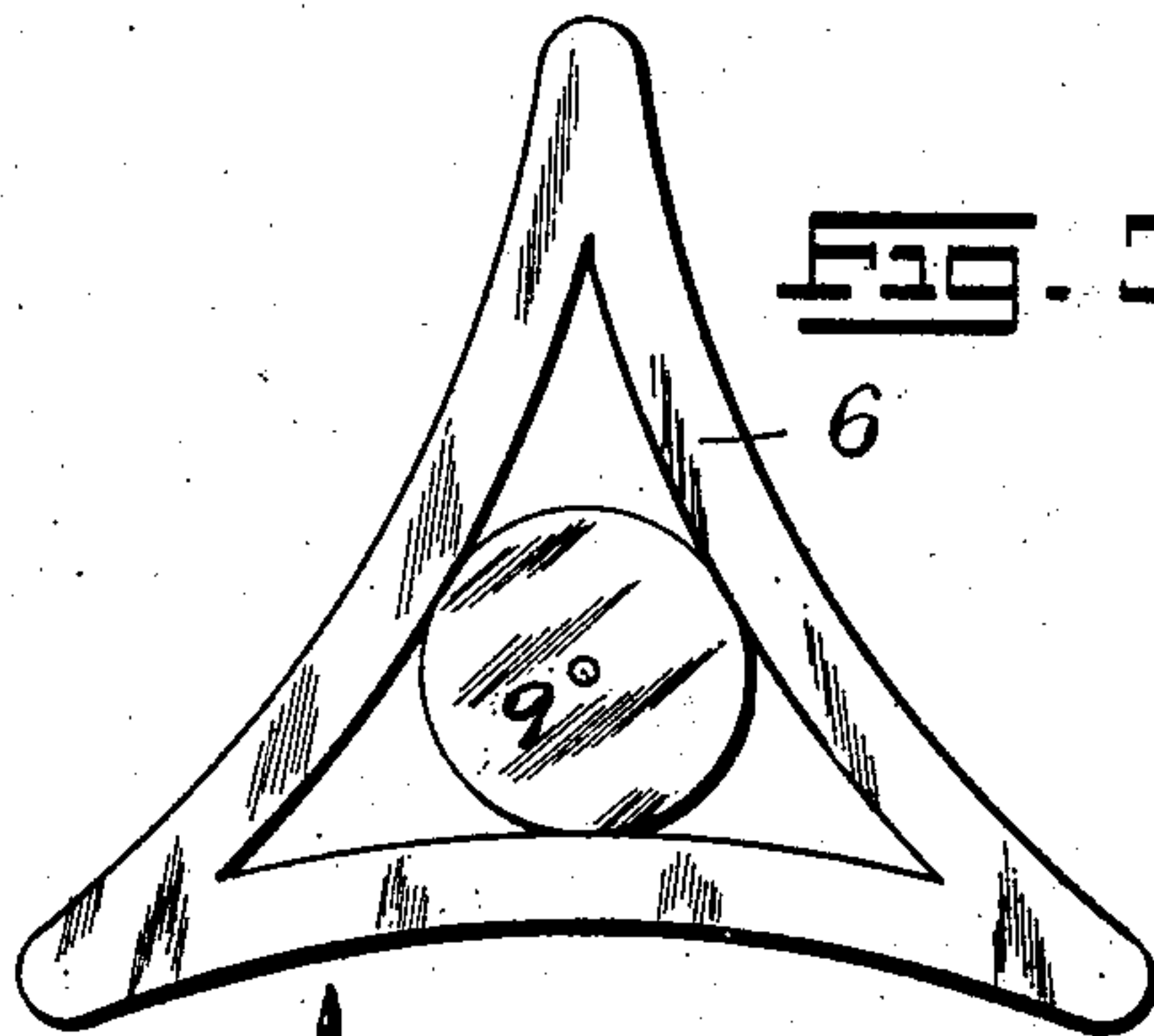


FIG. 4

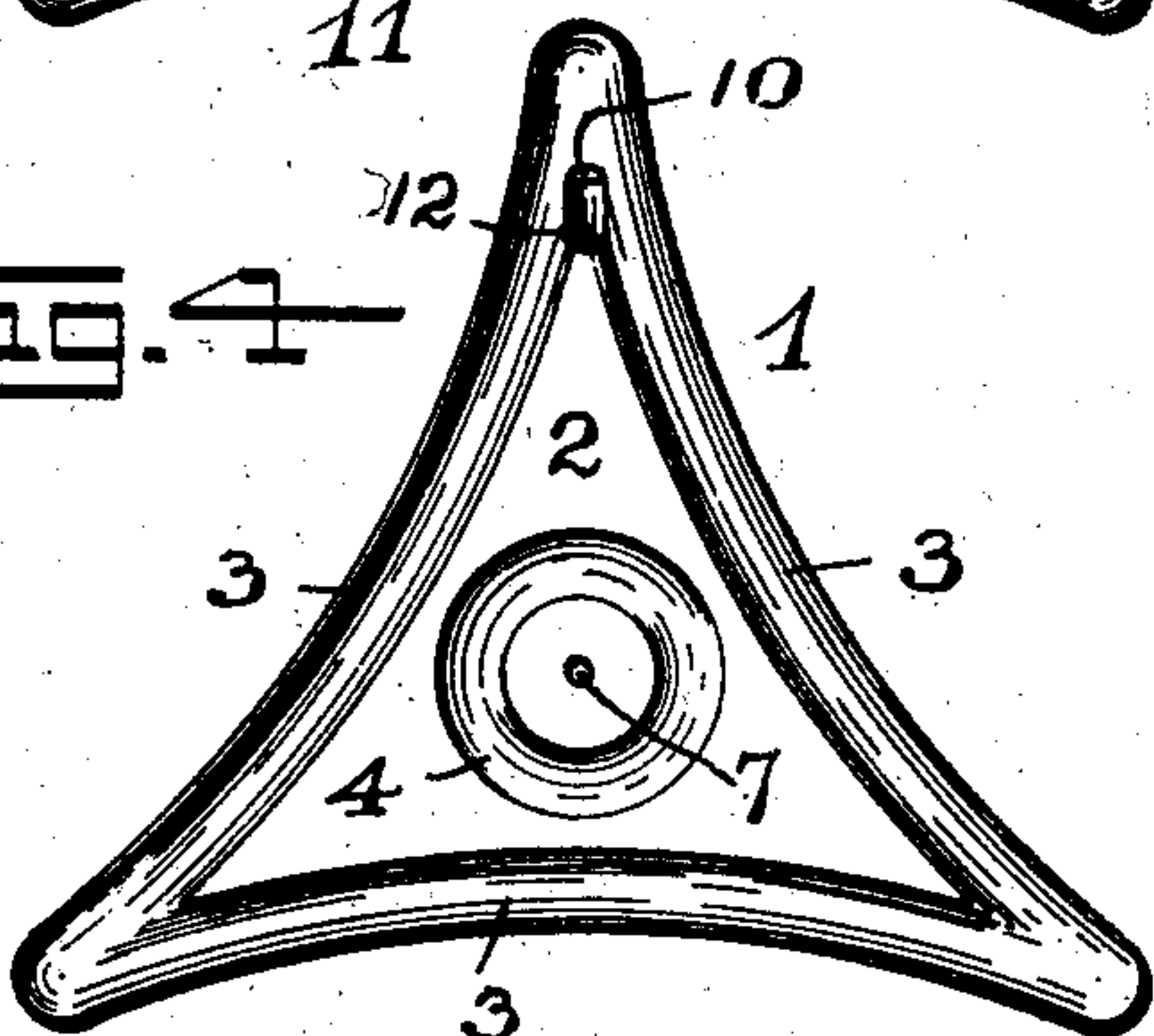


FIG. 5

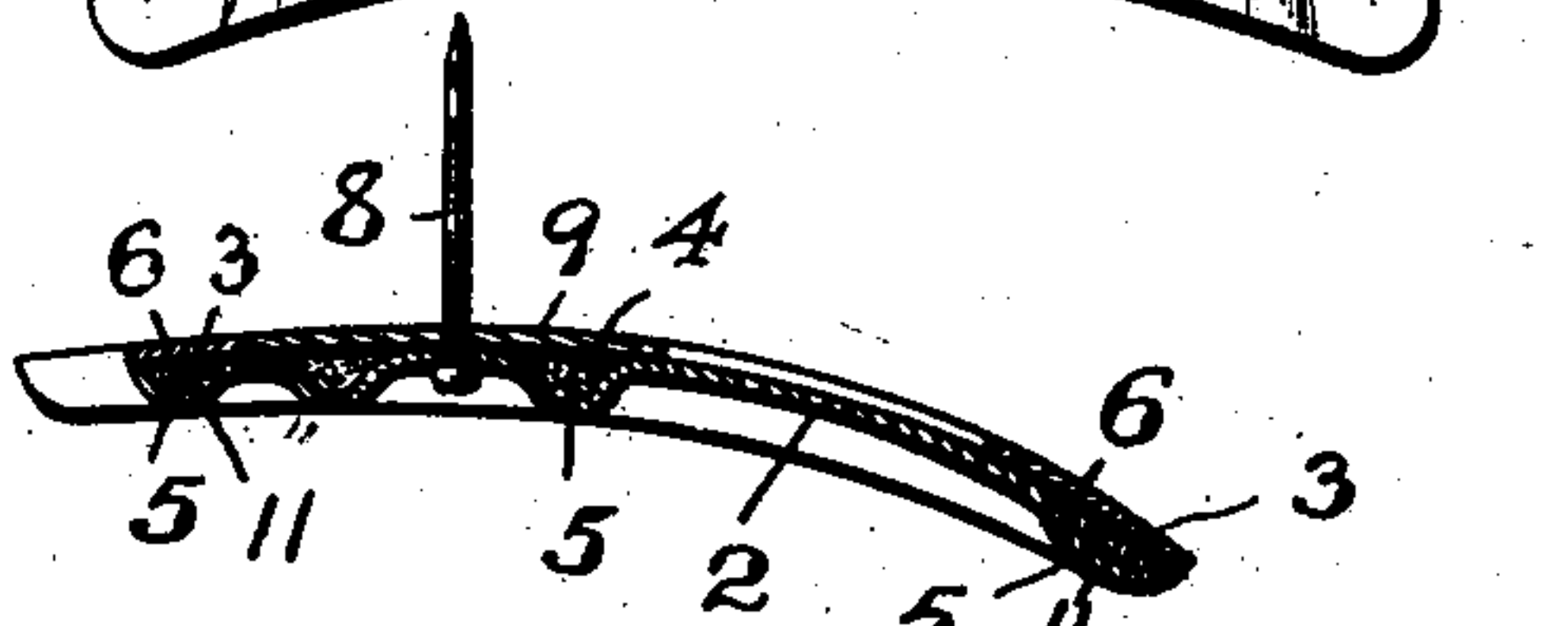
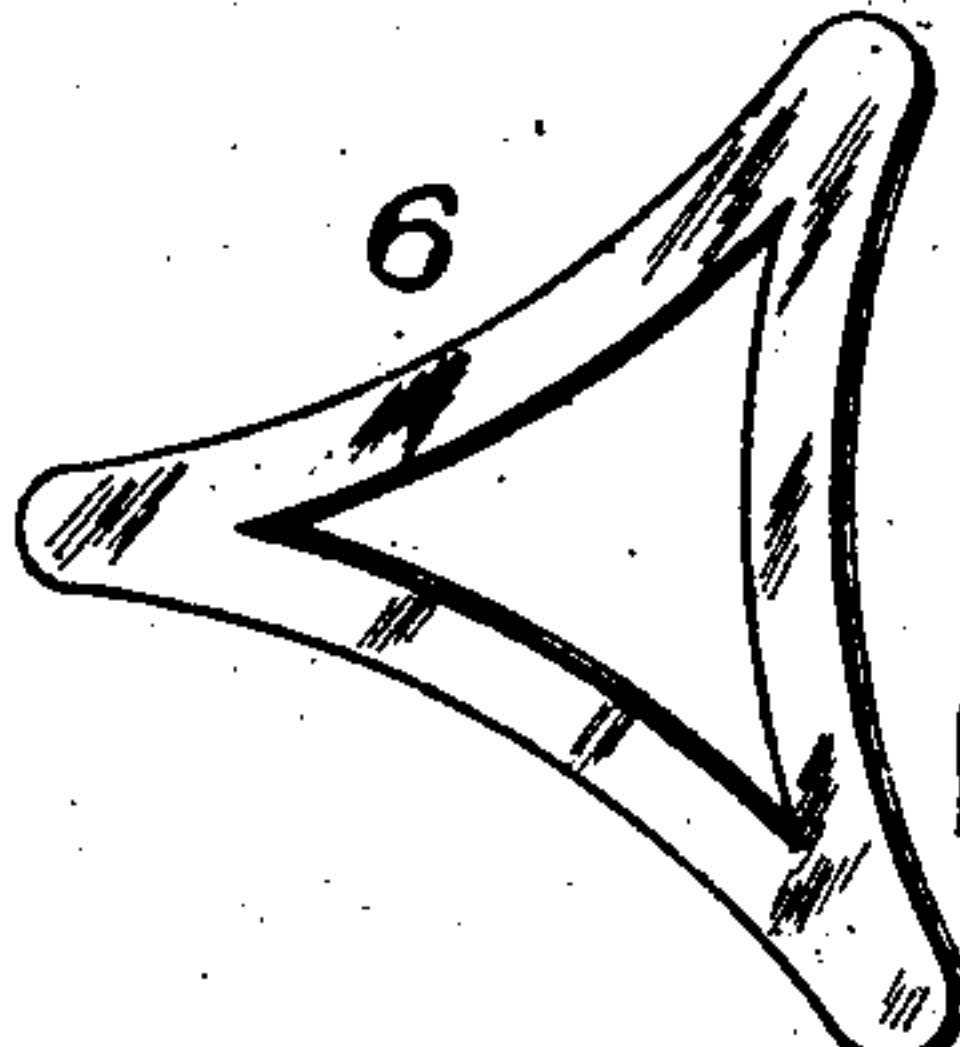


FIG. 6



WITNESSES:

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BY

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UNITED STATES PATENT OFFICE.

EDWARD FUNKE, OF NEWARK, NEW JERSEY.

SANITARY CORNER-PLATE.

SPECIFICATION forming part of Letters Patent No. 721,176, dated February 24, 1903.

Application filed October 3, 1902. Serial No. 125,736. (No model.)

To all whom it may concern:

Be it known that I, EDWARD FUNKE, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Sanitary Corner-Plates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

The invention relates to improvements in corner-plates, such as are secured in the corners on stairways and in the corners of halls and rooms to prevent the collection of dirt and dust in the corners; and the present invention has for its principal object to provide a sanitary corner-plate of the character hereinabove stated which shall be provided with a filler of a disinfectant material, so as to produce a perfect germ-destroyer which shall be of great beneficial use in buildings, and more especially such buildings which are crowded with tenants.

Further objects of this invention are simplicity and cheapness of construction and adaptability of easily and quickly securing the corner-pieces in their positions in the corners of stairways, halls, and rooms of buildings.

With these various objects of my invention in view the invention consists, essentially, in the novel construction of sanitary corner-plates hereinafter more fully set forth, and, furthermore, this invention consists in the several novel arrangements and combinations of parts, all of which will be described in detail in the accompanying specification and then finally embodied in the clauses of the claim, which are appended to and form a part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a stairway and a number of corner-plates embodying the features of my present invention, the said view illustrating the manner of securing the said corner-plates in position. Fig. 2 is a face view of my novel form of sanitary cor-

ner-plate; and Fig. 3 is a rear view of the same, illustrating one arrangement of pad or backing which has been treated with the disinfectant and is also employed as a covering to certain retaining-channels in the main body of the corner-plates, in which the disinfectant is arranged and held by the said pad or back plate. Fig. 4 is a back or rear view of the main body of the said corner-plate, the said pad or backing being removed to illustrate one arrangement of said retaining-channels. Fig. 5 is a transverse section of the device, said section being taken on line 5 5 in Fig. 2 of the drawings; and Fig. 6 is a perspective view of the said pad or backing.

Similar characters of reference are employed in all of the said hereinabove-described views to indicate corresponding parts.

In the said drawings the reference-character 1 indicates the complete sanitary corner-plate embodying the principles of this invention. This plate consists, essentially, of a main body 2, stamped up or otherwise made from suitable metal and being preferably of a curved configuration bounded by a triangular marginal edge, substantially as illustrated, so as to readily fit any corner of a stairway, hall, or room, as clearly represented in Fig. 1 of the drawings. As will be seen from an inspection of Figs. 2, 4, and 5, in any suitable portion of the rear or back of the said main body 2 of the plate I have provided the said plate with suitably-disposed chambers, preferably in the form of grooves or channels 3 and 4, which are filled with a disinfectant 5 and then covered over with a pad or backing 6 to retain the said disinfectant in place in the said retaining chamber or chambers. In the present construction the channels or grooves 3 are placed closely to and follow the marginal configuration of the plate 1, the said channel 4 being concentrically arranged around a hole or perforation 7 in the body 2 of the plate, which hole is for the reception of a pin or nail 8, as clearly indicated in Fig. 5 of the drawings, and by means of which the plate 1 is secured in the corner of a stairway, hall, or room, as represented in Fig. 1. When the centrally-disposed channel 4 is employed, this channel is covered by means of a pad or backing 9, as shown. Of course it will be clearly understood that these disin-

fectant-receiving channels may be variously arranged in the back of the corner-plate 1 and the pad or backing arranged accordingly. The said pad or backing is usually saturated
 5 with a disinfectant before the corner-plate is secured in its position.

In order that the disinfectant receiving and retaining channel may from time to time be filled with a fresh supply of disinfectant, a
 10 hole or perforation 10 has been made in one of the corners of the raised portion 11, formed upon the face of the main body 2, as illustrated in Figs. 2 and 4, a portion 12 directly
 15 beneath said hole or perforation 10 being forced out from the metal body to form a guide or conducting channel for the feeding of the disinfectant directly back of the said
 20 main body 2 into the channels therein from the tube of an oil or other can, as will be clearly understood.

From the description it will be clearly evident that I have devised a very useful and simply-constructed corner-plate for stairways, halls, or rooms, which is provided with a disinfectant, so as to produce sanitary effects
 25 and act as a germ-destroyer.

It will be understood that some changes may be made in the various arrangements and combinations of parts without departing
 30 from the scope of my present invention. Hence I do not limit my invention to the exact arrangements and combinations of the parts as herein described and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction
 35 of the said parts.

Having thus described my invention, what I claim is—

1. A corner-plate for the corners of stairways, halls, rooms, and the like, comprising,
 40 a main body provided with a disinfectant-receiving chamber adapted to retain a disinfectant upon the back of said main body, substantially as and for the purposes set forth.

2. A corner-plate for the corners of stairways, halls, rooms, and the like, comprising
 45 a main body provided with a disinfectant-receiving chamber upon its back adapted to contain a disinfectant, and a pad arranged
 50 against the said back to retain the disinfectant in said chamber, substantially as and for the purposes set forth.

3. A corner-plate for the corners of stairways, halls, rooms, and the like, comprising
 55 a main body provided with a disinfectant-receiving chamber adapted to retain a disinfectant upon the back of said main body, and

means in said main body for permitting the filling of said receiving-chamber from time to time, substantially as and for the purposes
 60 set forth.

4. A corner-plate for the corners of stairways, halls, rooms, and the like, comprising a main body provided with a disinfectant-receiving chamber adapted to retain a disinfectant upon the back of said main body, and
 65 means in said main body for permitting the filling of said receiving-chamber from time to time, and means arranged against the said back to retain the disinfectant in said chamber, substantially as and for the purposes set
 70 forth.

5. A corner-plate for the corners of stairways, halls, rooms, and the like, comprising a main body provided with a disinfectant-receiving chamber adapted to retain a disinfectant upon the back of said main body, and
 75 means in said main body for permitting the filling of said receiving-chamber from time to time, and means arranged against the said back to retain the disinfectant in said chamber, consisting of a pad, substantially as and
 80 for the purposes set forth.

6. The herein-described corner-plate for the corners of stairways, halls, rooms and the like, comprising a metal body-plate, a flexible pad upon the back of said body-plate, and a disinfectant between the said body-plate and pad, substantially as and for the purposes set forth.
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7. The herein-described corner-plate for the corners of stairways, halls, rooms and the like, comprising a metal body-plate, having channels adapted to contain a disinfectant, and a pad arranged over said channels for
 95 retaining the disinfectant in place, substantially as and for the purposes set forth.

8. The herein-described corner-plate for the corners of stairways, halls and rooms, and the like, comprising a metal body-plate, having channels adapted to contain a disinfectant, and a pad arranged over said channels for retaining the disinfectant in place, and means connected with said body-plate for admitting a fresh supply of disinfectant
 100 into said channels, substantially as and for the purposes set forth.
 105

In testimony that I claim the invention set forth above I have hereunto set my hand this 1st day of October, 1902.

EDWARD FUNKE.

Witnesses:

FREDK. C. FRAENTZEL,
 GEO. D. RICHARDS.